



EcoEbony

F&D Plastics NIR sortable Black masterbatch series

Plastics are sorted using NIR sensors in material recovery facilities (MRFs). The NIR sensors operate in wavelengths from 780-2500 nm. The commonly used plastics like PET, PP, PE PVC, PS have unique absorption characteristics and can be sorted using this technique. Plastics colored with carbon black show strong absorption in the NIR wavelength range and cannot be sorted with existing NIR sensor technology.

F&D Plastics has developed carbon black free products in various polymers to overcome this problem.



- Products available for PE, PP, PET, PS and other polymers
- FDA approved solutions for food packaging.
- Jet black colors
- Products can be used in injection molding, blow molding and thermoforming operations.
- End uses like closures, bottles, thermoformed food trays, horticultural containers, and more.
- Can provide information on APR and other test protocols.

